

## DUPLEX U/FTP 4Pairs cable-category 6A- LSZH Sheath

P/N: LVN122163

Content of the Data Sheet				
Sheath Printing	TBD			
Customer No.		Customer Reference		
Category	DUPLEX U/ FTP CAT6A-4P-LSZH(Cca-s1a,d1,a1)			
Reference Standard	ISO/IEC11801、ANSI/TIA-568.D-2			
Conductor	Material	Solid-Bare Copper		
	Nom.O.D.(mm)	0.560	up	+0.005
			down	-0.005
Insulation	Material	Skin-foam-skin PE		
	Diameter	1.330±0.05 mm		
Screening Material	Al/Mylar			
Sheath	Thickness	0.55±0.05mm		
	External O.D.	(7.4-16.0)±0.5 mm		
	Surface	Clean		
	Material	LSZH (complies RoHS)		
	Color	TBD		
Surface Printing	Letter height	3.0±0.3mm		
	Color	Black		
	Print error & Space	≤±0.5%, 1m		
Core Color	1 White /Blue	2 White /Orange		
	3 White /Green	4 White /Brown		
Packing	Drum			
Packing length	305±1.5m			
Rip-cord	Yes	Drain wire	Yes	
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥10.0	
		Elongation (%)	≥125	
	Aging Period (°C×hrs)	100°C×24h×7d		
	After Aging	Tensile Strength (Mpa)	≥8.0	
		Elongation (%)	≥100	
	Cold bend (-20±2°C×4h) 8×Cable O.D., No visible cracks			
Electrical Characteristics (20°C)	Delay Skew (ns/100m)	≤45		
	Velocity of Propagation (%)	74		
	unbalanced-to-ground capacitance	(pf/100m) max 330		
	DC Resistance (Ω/100m) max	9.38		
	DC Conductor Resistance Unbalance (%) max	5.0		
<b>Reaction to fire Classification: Cca,s1a,d1,a1</b>			<b>CPR Part no. LVN122163</b>	

**Technical Performance (100m) :**

Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	DELAY ≤ns
1	20.0	—	74.3	570.0
4.0	23.0	3.8	65.3	552.0
8.0	24.5	5.3	60.8	546.7
10.0	25.0	5.9	59.3	545.4
16.0	25.0	7.5	56.2	543.0
20.0	25.0	8.4	54.8	542.1
25.0	24.3	9.4	53.3	541.2
31.25	23.6	10.5	51.9	540.4
62.5	21.5	15.0	47.4	538.6
100	20.1	19.1	44.3	537.6
200	18.0	27.6	39.8	536.5
250	17.3	31.1	38.3	536.3
300	16.8	34.3	37.1	536.1
500	15.2	45.3	33.8	535.6

  

Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	72.3	67.8	64.8
4	63.3	55.8	52.8
8	48.8	49.7	46.7
10	57.3	47.8	44.8
16	54.2	43.7	40.7
20	52.8	41.8	38.8
25	51.3	39.8	36.8
31.25	49.9	37.9	34.9
62.5	45.4	31.9	28.9
100	42.3	27.8	24.8
200	37.8	21.8	18.8
250	36.3	19.8	16.8
300	35.1	18.3	15.3
500	31.8	13.8	10.8